

## ABSTRACT

The invention concerns a method for analyzing a subject's electroencephalograph synchronization levels using an assembly of sensors based on the latter's cerebral electromagnetic analysis, comprising the following steps: constituting a database (12) including: digitizing the electrophysiological signals derived from said sensors; calculating (11) the degree of synchronization existing between all the pairs of sensors recorded in a configuration protocol, in frequency bands ranging between 0 and 2000 Hz, to constitute said database (12) of classes each characterizing one reference state; statistical validation (13) of a period analyzed in real time, for assigning said period to a class of the database; detecting (14) a specific period showing a given degree of synchronization. The invention also concerns a device for implementing said method.